

THE TECH

Vol. XXVII. No. 11

BOSTON, MASS., FRIDAY, OCTOBER 25, 1907

PRICE THREE CENTS

1910 GIVES MALDEN THE FIRST DEFEAT.

TECH MEN WINNERS, 6-0.

Sophomores Superior At Every Point and Show Up Well.

The unbeaten Malden high school team went down to defeat for the first time this season at the hands of the Sophomores on Wednesday by a score of 6 to 0.

The game throughout was characterized by long gains, punting and open plays. The Tech team was somewhat heavier than the opponent's and superior in skill, but was unfortunate in having time called both halves with the ball near the goal.

1910 played an even game, each player doing good work. Billings, although unable to walk without limping, played the whole game and had a good deal to do with the victory. Hurley made some excellent punts and rushes and Loutit put up a good game too.

O'Hearn kicked off and Malden rushed the ball only a short distance and was forced to punt. Billings received the ball in the middle of the field. In the next play the ball was fumbled and Hurley fell on it. Billings then punted 20 yards and Loutit regained the ball for 1910. Hurley punted and Malden got the ball on her own 20-yard line. Cox kicked but Manson blocked the ball at a loss of 10 yards to Malden. 1910's ball. Saul made a long gain, and O'Hearn crossed the line for a touchdown. Saul kicked the goal. Score, 6-0.

Cox kicked off and Hurley received the ball on the 10-yard line and ran 30 yards. 1910 was penalized 15 yards for offside. Billings kicked and Miner received and carried the ball to Tech's 40-yard line. Malden's backs then rushed the ball 30 yards, when they lost it within 10 yards of the goal. Saul fumbled the ball but O'Hearn fell on it, and in the next play Tech was offside and was penalized to the 1-yard line. Hurley then punted 30 yards and on the next play McCormac tried the forward pass but Hurley blocked it and got the ball.

Saul rushed 12 yards and O'Hearn 30, and then Hurley was offside and was forced to kick. He made a fine punt of about 50 yards where Loutit regained the ball and rushed to within 5 yards of the goal. 1910 then lost the ball on downs a few inches from the line. Time was called with the ball on the 10-yard line.

Cox kicked off and Billings touched the ball but did not stop it. Saul got it behind the line and rushed it out 5 yards where Smith tackled him. Billings kicked 30 yards and McCormac lost the ball in the next play on a forward pass which Hurley received. The team then lost for holding, and Hurley punted. Cox of Malden punted but was blocked by one of his own team and lost the ball to 1910 in the middle of the field. Hurley punted and the ball went outside. Captain Clark made a run of 20 yards and the ball was rushed to the 40-yard line where Cox tried a drop kick which Billings got on the 10-yard line and rushed 5 yards. Billings punted and Malden got the ball but lost immediately on a forward pass which Saul received. 1910 rushed the ball to Malden's 15-yard line, where time was called.

(Continued on page 4.)

TALKS ON MILK PROBLEM.

Tech Club Elects Officers.

Professor Samuel C. Prescott of the Biological Department spoke last evening at the Technology Club on the perplexing problems of supplying milk to large cities. The sanitary aspects, with a little on the trade difficulties, were touched upon.

At the regular business meeting of the club the following officers were elected: President, J. F. Norris; Vice-President, F. H. Rand; Secretary, A. T. Heywood, '06; Treasurer, A. H. Gill, '84; Council for Three Years, W. W. Crosby, '93; J. O. DeWolf, '90; H. A. Morss, '93; F. G. Stantial, '79; R. S. Weston, '94.

PERFORMANCES WILL BE HIGH CLASS TOMORROW.

FRESHMEN STARS TO SHOW UP.

Team Veterans Will Have to Work at the Fall Games.

High class performances will be the rule at the fall handicap games tomorrow. Many of the stars in the Freshman Class will show up for the first time in competition and the team veterans will have a hard time defending their laurels.

An exceptionally good list of entries is found in the 100-yards dash. Gram, who broke the New England Intercollegiate record last year for the twenty-two will run from scratch. Blackburn, the fast quarter miler, will also run, and should make a good showing at the short distance. The most promising entry from the Freshman Class in this event is W. J. Seligman, the crack sprinter and relay man from Brookline High School. He has been doing exceptionally fine work this season, showing up well in the trials for his class team, and may be depended on to push the scratch men hard. The Sophomore Class will be represented by Cummings and Lockett, both members of their class relay team.

The crowd in the 220 is essentially the same with the exception of the appearance of Salisbury, the crack Hill School man. Salisbury ran last year on the relay team which won the interscholastic championship of America, and this year has been covering a very consistent quarter and two-twenty, making fast time in the class trials. Potter has also been doing very well in the furlong, and should place without difficulty.

A whirlwind pace will be set in the quarter with Blackburn, Gram and Salisbury in the race. The two former ran on the Tech Relay Team last year which won the New England championship, and are both very fast men. Salisbury has also covered the distance in about 52 seconds, and the entry of these three men will assure a race of championship calibre. Another man who has shown up very well lately is Philip Hart, who is making very fast time. Ireland will be represented in the race by White, a runner who has recently come to this country, and has been showing very good speed in the middle distance runs.

An enigma is presented in the half mile. The entry is very small, but several good men will start. The handicaps will probably be all very small, and some good racing will be done from the crack of the gun to the finish. Salisbury will run in this event and will have Gimson, the standby on the Tech team in this distance, as a formidable opponent. Several other dark horses from the Freshman Class will also compete.

A bunch of old favorites will be brought out in the mile. Captain Howland of the Cross Country Team is the most prominent entrant. Some new material will also show up in this race, and with their handicaps should make good showings. Stephenson, the Hare and Hounds Chase captain, will also compete. White, the Irishman, will run in the two mile, as will also Captain Howland and Howe, both of the Senior Class.

An old veteran, Rapelye, will appear in the high jump, and should do some rattling good work. Bartlett and Stuart of the Sophomore Class can also be depended on to make a good showing. The broad jump, hitherto such a weak feature of the Tech Team, will be contested Saturday by a large list of entries.

Captain Orr of the varsity team, and Salisbury the Hill School man from the Freshman Class will fight it out in the pole vault. Each has a mark of 10 ft. 8 in. to his credit, and their performances may be bettered in competition Saturday. The hurdles and weight events have as yet brought out few men. A promising new man, Fred Moore, has entered the Institute this year and will compete in the shot put. He has considerable experience in the event, and has been doing well in practice this season.

1911 LOSES FAST GAME TO SOMERVILLE.

TEAM WORK LACKING.

Heavy Line Formations Used and Also New Open Plays.

In a hard fought game Somerville High defeated the Freshman football team Wednesday by the score of 7-0. The game was an excellent exhibition of football and both teams played well. The heavy line formations were used to a considerable extent, although at times both teams showed a good mastery of the new open plays.

Tech kicked off to Somerville, who tried to advance the ball, but were soon forced to punt. The ball changed hands frequently until Tech commenced to gain, the backs tearing great holes through the line. At this point the Freshmen were penalized and the half closed with the ball in Somerville's possession.

In the first part of the second half O'Neil and Dresser went through the line for 10 and 15 yards respectively, but when Somerville got the ball again Sharry skirted the end for 25 yards. A series of rapid plays brought Somerville to Tech's 18 yard line, where Pree in a fierce tackle was knocked senseless for a few minutes. Cousins was sent through left tackle for a touchdown. Sharry failed to kick the goal. Pree kicked off to Cummings. Sharry was forced to kick to Dresser. De Florez and Williams, by making fine tackles, forced Somerville to do the same. Owing to injuries to Proctor, Pree, and Williams, Scovall and Smith were put in, Spaulding also going to full-back. The game developed into a punting contest between Dresser and Sharry. Somerville failed in a place kick from the 25 yard line, but made a safety by means of a bad pass by Ketching. Score, Somerville, 7; 1911, 0.

During the rest of the half, which was exceedingly long because of the injuries, the ball changed hands continuously without much gain by either side.

Although 1911 showed remarkable improvement over their previous games, they were far from playing their best. Team work was lacking when it was most needed. O'Neil and De Florez were conspicuous for their heady work for 1911, while MacDonald and Sharry were Somerville's stars. FitzHubert played exceptionally well against his old team mates and stopped them often for a loss.

The line-up:
Somerville. Tech 1911.
Seriven, L.e. L.e. De Florez
Cummings, L.t. L.t. Proctor, Hutchins
Russ, Merrill, L.g. L.g. FitzHubert
Gustan, c. c. Ketching
Kitchen, r.g. r.g. Van Tassel (Capt.)
Nolan, r.t. r.t. O'Neil
Forg, r.e. r.e. Spaulding, Williams, Smith
Wyley, Mixer, q.b. q.b. Shatz, Watson
MacDonald, L.h.b. L.h.b. Rush, Scovall
Cousins, r.h.b. r.h.b. Dresser
Sharry (Capt.), f.b. f.b. Pree, Spaulding
Score—Somerville, 7; 1911, 0.
Touchdown, Cousins.

RIFLE CLUB TO QUALIFY.

Out for Places in the National Marksmen Reserve.

The Rifle Club will shoot at Wakefield Saturday for qualification in the National Marksmen Reserve. Each man will shoot two strings at 200, 300 and 500 yards. Two sighting shots will be allowed on each string. The work is under the direction of executive officer E. R. Jackson, '10. Train leaves North station at 2.20 P. M.

ARCHITECT WEDS.

'06 Man Marries Brooklyn Maid.

News of the marriage of Miss Elizabeth M. Rhodes of Brooklyn, N. Y., to R. T. C. Jackson, '06, who was last year taking a graduate course in architecture, has been received. Mr. and Mrs. Jackson will be at home after November 1st at 57 Oak Square Avenue, Brighton.

ADVANCED METHODS USED IN ARCHITECTURE.

TRAINING IN COURSE IV IS MODERN AND PROGRESSIVE.

A Change Proposed. Professor Chandler Talks of Demand of Architects.

Progressiveness, breadth and modernity characterize the Course in Architecture at the Institute. The aim and methods of the course may best be given by quoting from the first number of the Technology Architectural Record published by the Architectural Society. The work of this society of students in the course is in itself an example of the spirit of initiative and progress in Course IV.

"The Institute of Technology was the first school in America to introduce a regular Course in Architecture. It was founded in the year 1865, though it did not graduate its first regular student until 1873.

"From the beginning the spirit of instruction has followed that of the Ecole de Beaux-Arts at Paris, and the wisdom of this course has been amply justified by the results obtained during the past years, and by the present status of architectural education in this country. The general plan of instruction has been changed only by developing the old courses and by adding others to meet the new conditions arising in modern practise. The aim of the school was, then as now, to teach that architecture is essentially a fine art, and that its practise must be based primarily on the student's possession of a broad general cultivation and a liberal training in design, founded on principles underlying sound construction.

"Its curriculum recognized that in a profession of as many aspects as that of architecture the true function of school training is primarily to inculcate high ideals and to prepare the foundation upon which the student is to erect his superstructure of architectural capacity; that the student's mind must be educated to think clearly and logically, his sense of beauty must be trained and educated, his imagination stimulated, his point of view made flexible, and his skill in expression in the mediums of the profession cultivated."

With the value of this cultivation in mind, the Department has at different times held Summer Schools. Their purpose is to bring the students in contact with the practical side of building and teach them to appreciate the true value of scale and detail. For this purpose Summer Schools have been held at Chicago, during the World's Fair, in Massachusetts and New Hampshire, in Quebec, in England, in Italy, and in France.

The care with which methods of instruction in this course are being worked out is illustrated in the following extract from the report of the Department of Architecture in the President's report of January, 1907.

"The good results that have attended the union of third and fourth year students in a common drawing-room have made it highly desirable that the second year students should have part in the same arrangement. . . . The younger men would mature more quickly but for their isolation. They need the stimulus gained by close association

(Continued on page 3.)

NOT UNTIL YOU'RE DEAD.

Cemetery Has No Claims, Says E. C. Mercer.

Mr. E. C. Mercer, U. of Va., '94, spoke at the Y. M. C. A. meeting yesterday on "The Expression of Christianity." He said, "There are plenty of good sermons. What we need is more good Christian lives, the honest hand shake, the kind deed, the pleasant look, the cheerful word. Helen Keller can tell a Christian by his hand shake. Christ wants a man to be happy. The cemetery has no claim on a man till he is dead."

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Friday, October 25, 1907.

NOTICE.

THE TECH is sent each issue to every member of the Instructing Staff and Assistants. If you have not already subscribed we presume it is through oversight. Notice to discontinue should be sent to the Circulation Manager. Unless such notice is sent, you will be considered as a subscriber.

EDISON FOR TECH.

"What we need is men capable of doing work. I wouldn't give a penny for the ordinary college graduate, except those from the Massachusetts Institute of Technology. Those coming up from the ranks are a damned sight better than the others. They aren't filled with Latin, philosophy and the rest of that 'ninny stuff,'" says Thomas A. Edison in an interview in the New York Globe and Commercial Advertiser on Monday, October 21st.

COLLEGE MEN AT TECH.

One of the significant facts connected with the opening of the new year at the Institute of Technology is the large proportion of its students who have previously attended other colleges. Out of the five hundred new students this year not fewer than one hundred and fifty are graduates of other colleges or have been students at them for at least two years. The percentage of college graduates registered at the Institute has steadily increased from six per cent. ten years ago to fourteen per cent. last year, and will be much larger the present year.

In order to meet more fully the need of the college students, the Institute faculty has just announced an arrangement under which graduates from other institutions may take the degree of master of science without previously taking the bachelor's degree at the Institute. They are thus enabled to do more advanced work and escape some of the technical requirements for the lower degree. It is understood that it is the desire of the Institute to offer every encouragement to such students, especially in the case of those who desire to pursue researches and other work of an advanced character. For it is by such work that the highest type of engineer is produced.

This large influx of college graduates from all over the country testifies to the character of the work of the Institute. It raises the interesting educational question as to which in the future will appeal more strongly to young men desiring the best engineering training—residence at a technological institute, where the instruction is given jointly to undergraduate students and college graduates, or at a graduate engineering school of a university to which only college graduates are admitted, like the recently organized Graduate School of Applied Science of Harvard University. It is probable that the future will prove that each type will have a large field of usefulness, and that, independent of the type, that institution will be most popular which gives instruction of the highest grade.—Boston Transcript.

FOR THE FRESHMEN.

For the benefit of the Class of 1911, THE TECH, Volume 27, takes the liberty of clipping the following from THE TECH, Volume 23:

"Once more The Lounger takes his typewriter (neuter gender) in his lap and proceeds to spread over the immaculate parchment the drop of ink which makes millions think. Once more the roulette of the Tech man has spun round and stopped over the space marked 'Work.' Once more the Institute is infested with the usual quota of freshmen. To these, his proteges, The Lounger extends his right hand. It will be hard for the average freshman to realize that he is no longer a senior of the Centreville High School, and chairman of the Committee to Select a Class Flower. If he has carefully perused the tabular views, the general bulletin, the subject list, the roll slips, and all the other registration truck he probably knows what a great and wonderful thing Tech is. There is much, however, that cannot be learned from the official literature, and it is on that account that The Lounger unloads with the key of Generosity the treasury of his wide experience and with a lavish hand showers upon the fortunate Freshmen the following nuggets:

"There are six marks given on the five weeks' reports. They are C, P, L, F, FF, and D, and signify as follows:

C—C me at once.

P—Phriend, you have done noble.

L—Let me tutor you. \$2.00 per lesson.

F—Fine. Keep it up.

FF—Extra Fine. You kept it up.

D—Do not hurry. Rome was not built in a Day.

"The teaching machinery is made up of two elements, professors and instructors. The professors are a small body of men entirely surrounded by knowledge. In some cases, this is bounded on the North by a piece of chalk, on the East by a blackboard, on the South by a text-book he wrote himself, and on the West by an idea he got once. The instructors are divided into two classes—those that do and those that don't.

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All accounts with the Book Exchange must be closed before Oct. 25.

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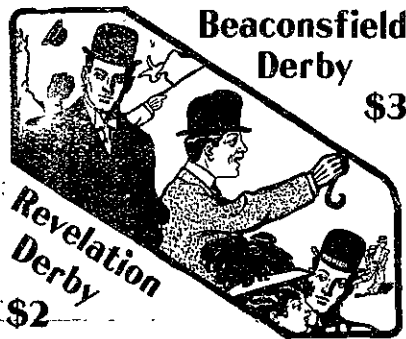
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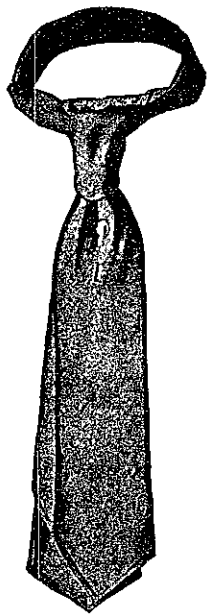
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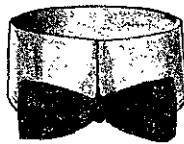
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METHODS IN ARCHITECTURE.

(Continued from page 1.)

with men stronger than themselves, and they would more fully appreciate how much their own work stands for if they could watch more closely its theory put into practice by those who have had a year's start of them. The third and fourth year men now meet on a common ground. They help each other in many ways. They work on each other's drawings, and they criticize each other's designs. This association seems to develop more quickly their reasoning powers, and their ability to discriminate between good and bad in architecture and to express themselves clearly in words.

In regard to the demand for men from the Architectural Department, both graduates and special students, Prof. Francis W. Chandler, head of the course, has made the following statement:

"The greatest demand for men from Course IV is first for those who have passed the graduate year in the department. It is well understood in the profession the great value that this extra year makes for accomplished draftsmanship and skill in design. When the demand comes for such men, it is not asked whether they are practical or have had any office experience, but whether they have trained ability to size up a scheme and compose skilfully. With

this is soon made up the deficiency of practical experience.

"Still this class can only provide for a very small part of the demands. The regular graduate is prepared to be of immediate practical usefulness for he has, as a rule, spent the greater part of his vacations in an architect's office. His diploma stands, besides, for a school training in both the aesthetics and construction of architecture, and as an all-round man he is always wanted. The demands for men from the Course in Architectural Engineering are much greater than we can fill, and this demand seems also to increase steadily.

"Generally the special student has had a first-rate training in office practice before coming to the Institute, to which he wishes to add the academic methods. He more often returns to the office from which he came than seeks a new one, but there are always enough opportunities for him, which may also be said of the undergraduate students. Architects are very willing and often anxious to have them in their offices during the summer time. They are able to make themselves useful in the regular office routine, and they will help fill the gaps occasioned by the vacations of the regular force.

"Never yet has there been any difficulty in finding positions for our men, nor has the department ever been able to graduate a number of students sufficient to meet the demand."

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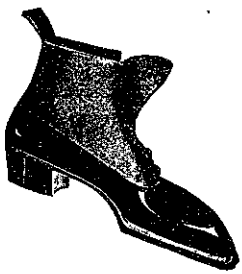
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1910 DEFEATS MALDEN.

(Continued from page 1.)

The line-up:
Tech 1910. Malden H. S.
Bell, l.e. r.e., Ingalls
Manson (Capt.), l.t. r.t., Cox
Emerson, l.g. r.g., Babcock
Gott, c. c., Smith
Adams, r. g. l.g., Nourse
Wallower, r.t. l.t., Milliken, Thompson
Loutit, r.e. l.e., G. Miner
Billings, q.b. q.b., McCormac
O'Hearn, l.h.b. r.h.b., C. Miner
Hurley, Huber, r.h.b. l.h.b., C. Clark (Capt)
Saul, f.b. f.b., Money, Morgan

ADDRESSES CHEMISTS 41 TIMES.

Prof. Talbot Talks of Benefits of Society.

For the forty-first time Prof. Talbot addressed the Chemical Engineering Society Wednesday evening at the Union. His subject was the society itself, for he told why it exists and what are the relations of its members to it.

He said the society was of value for the information which it conveyed to its members and for the good fellowship made possible by it. L. R. Wemple, '08, was elected president.

CALENDAR.

Friday, October 25.

4.00 P. M. Mandolin Club Rehearsal in 33 Rogers.

7.30 P. M. Southern Club Meeting at the Union.

Saturday, Oct. 26.

2.00 P. M. Annual Fall Handicap Meet at the Field.

2.20 P. M. Rifle Club Leave North Station for Wakefield.

6.30 P. M. 1910 Class Dinner at the Union.

Monday, Oct. 28.

4.00 P. M. Mandolin Club Rehearsal in 33 Rogers.

NOTICES.

1910 DINNER—Saturday night at Union. Tickets now on sale by Saul, Reynolds and Terry. Tickets must be bought by Friday noon.

1908 CLASS BALLOTS — Senior ballots will be issued on Saturday, and can be obtained at the Cage, or from one of the following men: Allen, Callaway, Heilman or Glover. These elections are extremely important, and it is up to every man to vote. No ballots will be received later than noon on the following Wednesday.

CLASSIFIED ADS.

Advertisements of this kind under different classifications are inserted at the rate of five cents a line, averaging six words to a line, payable in advance.

TO LET—Three pleasant rooms with meals. Rooms \$4.00, 3.50, 2.75. Board \$6.00. Mrs. A. G. O'Brien, 21 Harvard Ave., Brookline, Mass.

TO LET.—Large front room, suitable for two or three persons, hot water, heat. Apply 236 Newbury St.

FLAT TOP STUDENT'S DESK for sale. May be seen on St. Botolph St. K. G. Chipman, Cage.

LOST.—"Illustrations of Steam Engines." Please leave at Cage for Finnie, '09.

FOUND—Fine place for Tech men to say what they think, Corner Stone Class, Union Congregational Church, Columbus Ave. and West Newton Street. The big new Merger Church. The fellows meet at 12.15 Sundays. Come, meet the other fellows.

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